

From owner-qrp-l@netcom.com Thu May 11 00:44:08 1995
From: BrianN5ZGT@aol.com
Date: Wed, 10 May 1995 20:44:08 -0400
Message-Id: <950510201042_114279031@aol.com>
Subject: -

unsubscribe qrp-l briann5zgt@aol.com

From owner-qrp-l@netcom.com Wed May 10 18:24:16 1995
Date: Wed, 10 May 1995 13:24:16 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <199505101824.NAA28631@chuck.dallas.sgi.com>
Subject: 30M again

Gang,

OK, since there was so much interest in 30M, let's try the following data collection and study for QRP propagation on the band. Here's what we are interested in. This is not a contest. I repeat this is not a contest, so don't have the "contest police" coming after me. I'm in enough trouble already. :-)

1. Let's get some QRPers on 30 Meters that otherwise might pass this band up. We studied 40M during the winter and typically one moves up in frequency during the summer months and the higher bands stay open longer after we get home from work.
2. Collect some data and see what the summer like conditions are on 30 Meters in 1995 while sunspots are low. Then as the sunspot numbers rise each year we will have a benchmark of data to go by. QRPers seem to be the real testers of marginal conditions with low power along with the weak-signal VHF gang and meteor scatter people. We are on the ragged edges of getting through when conditions are the best or the worst.
3. Generate some on-the-air activity again for this group. Get you away from the keyboards and surfing the internet.
4. Get out or build the NN1Gs, OHRs, Danny's Small Parts, ugly construction or whatever. This includes receiver and transmitter. Let's see how many of these critters we can get working on a higher band. Let's hear how some of you got your "partial kit" of the NorCal 40 (not 40a) moved up and working.
5. Data contacts are to be from the same QTH for ALL contacts. All

contacts of more than 3 minutes in length, thus take time to get to know the other person. Also tests to see if a sustained contact can be maintained for a reasonable period of time. Work anyone and everyone you hear on 30M. Don't keep this internet-to-internet.

6. All power levels to be under 5 Watts for all contacts that count in the database.
7. ARRL sections listed here for REFERENCE purposes only. There is a map in the ARRL operators guide that show where all these critters are. Might be interesting to photocopy and color in and see if you have any directional preferences with your setup.

```
1 - CT  EMA  ME  NH  RI  VT  WMA
2 -  ENY  NLI  NNJ  SNJ  WNY
3 -  DE  EPA  MDC  WPA
4 -  AL  GA  KY  NC  NFL  SC  SFL  TN  VA  PR  VI
5 -  AR  LA  MS  NM  NTX  OK  STX  WTX
6 -  EB  LAX  ORG  SB  SCV  SDG  SF   SJV  SV  PAC
7 -  AZ  EWA  ID  MT  NV  OR  UT   WWA  WY  AK
8 -  MI  OH   WV
9 -  IL  IN   WI
0 -  CO  IA  KS  MN  MO  NE  ND   SD
VE-  MAR  PQ  ON  MB  SK  AB  BC   YU/NWT
```

DX- Any not included above.

It would be interesting to calculate the miles/watt figure for each contact and see what your personal best is. I'll post later a series on great circle bearings and how to get long/lat data via internet.

8. Recommended Single Mode, CW Only. Frequencies between 10.105 and 10.125 MHz. This reduces the number of variables in the equations of propagation.
9. Dates: June 1, 1995 0000Z (UTC) to September 1, 1995 0000Z (UTC). 24 hours per day, Seven days a week during this time period. I'm not in the business of doing this all year long. :-)

I'll figure out a way to get you to get me the data to go into the database to go on the ftp site. Think about putting this into the computer, which most of us do already anyway. I assume that since you belong to this group you are just one of the 3,000,000 stops along the superhighway and you use the computer regularly.

I'll take recommendations here (not posted please, we'll get enough complaints as it is). Thanks Stan for loan of the call. :-) Thinking of something like

DATE:START:END:FRQ:D(MI):MYPWR:STNWKD:HISRST:MYRST:NAME:QTH:INFO:MYCALL:QSL
950601:0130:0145:109:1250:3.50:K5FO:559:Chuck:Dallas,NTX:SWL-30 1W:N6ULU:S
950601:0156:0215:117::3.50:KI6DS:559:Doug:SV:HB Dipole 2W:N6ULU:S/R

The times are in UTC, don't we all do this? The second record shows that we don't know the distance. So the colons are snuggled up to each other. I'm guessing at Doug's section. S is for sent, R is for received QSL. FRQs are 10.109 and 10.117 respectively.

I know that this looks like heck, but it is the way I keep my own personal database for my logbook. I use UNIX commands for everything, thus use `tbl` and `ditroff` to format the logbook. The databases for the Awards are done in the same format. It minimizes disk space and it prints out in nice columns when it comes time to get a hard copy. The hardcopy winds up more than 80 columns, but it is small print. Sometimes the lines wind up more than 80 columns in the database, but I wanted here to keep from wrapping around on a bunch of screens out there. I hate it when that happens. :-)

I'll take the data in whatever format you have it and I'll write a routine to massage it into the above, if you don't have the resources. Hey, I got plenty of spare time. :-)

I know of several other pieces of information that would be interesting, but we have to stop somewhere. The date is of the form YYMMDD for year,month,day. I like this as it makes it easy to sort via the computer using the `sort` command. No commas in the distance field, inputting into data program makes it more difficult to parse. And I think the other stuff is self-explanatory. I need your call the last thing on the line also for sorting purposes. Also set it up for maximum of 80 critters (TX talk for characters). I'm thinking about the frequency thing, if just the last three digits would be better. I don't know what other people collect, but I try to get the freq of every contact pretty close, that way I know more about other peoples habits if I catch them on regularly. Just watch the band edges. 30M is very narrow and more critical than the other bands in my mind.

I can take the data and plot the density of contacts over the three month period and we should see band openings. If someone else or everyone will also collect the indices from WWV, we can correlate that data also. I don't know of any other group in the world that has the resources and maybe the willpower to do this.

I don't even want to think of the man-hours this could eat up, but hey, it's summertime..... let's have fun.

dit dit
--

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Wed May 10 17:22:45 1995
Date: Wed, 10 May 95 13:22:45 EDT
From: mitchell@dtc.kodak.com (Brad Mitchel)
Subject: <didn't bother with a subject>
Message-Id: <9505101722.AA06990@dzx57d.dtc.kodak.com>

I wrote this a long time ago... Last Fall I think (1994) , but never did anything with it. I still am into building, but haven't had as much time to do as much as I have in the past. I I recently picked up a Ten Tec Argosy 525 with ALL the filters, and am having qrp fun with it, but no building yet. Anyway, here is a file that may or may not be of interest.. 73
Brad WB8YGG

Included article.....

=====

Wow , to think that last year I had never built any home brew receivers or transmitters, and now here I am about to write about my experiences with building the Epiphyte SSB Transceiver, and how I got here after being inactive for so long. I've been a ham for around 20 years now, and I had a very extended stagnant period of activity. I think a lot of that was due to getting married, having kids, getting another degree etc. Well, when all of that started to slow down a bit, I decided that I was going to get back into the amateur hobby, but in a different mode. I made it a point that I was going to homebrew one way or another.

It all started with the Sudden Rx designed by George Dobbs. It seemed simple enough to start with, but was it. My intent was homebrew remember, so when I saw that there was a p.c. board necessary, I decided to make all attempts to even build the p.c board myself. I had done this before with the tape method, but I read recently about the Tec film, so I decided to try this method. Well, it left a little to be desired, but was effective, and so I produced not one, but 2 boards for an 80 and 30 meter receiver. The thing that kind of surprised me was how QUICK i could go from reading an article to having a circuit board in my hand. I building, I built a cubic incher, etc, and by chance met up with a local ham that was already building QRP equipment, but was buying circuit boards from FAR. This was none other than N2JGU, (The guy that makes my enclosures look like scrap metal). Gary and I met at our local ham club, as it was in the formation stages. Gary had a complete Ugly weekender transceiver that was simply beautiful, and there I was with my hand painted Green ugly 80 meter sudden, and 80 meter cubic incher similarly hand painted ugly green. We talked at length, and finally the subject came up of home brewing

the circuit board. Gary had not done that before, and at first I think he thought I was crazy expending energy in that vain. However before long we were both making p.c.boards, and soon thereafter the July 1993 QST article came out suggesting using regular paper for the transfer of toner to p.c. boards. This was quite a revelation because the Tec paper was quite expensive, and not always on hand. This was the last straw that made p.c. boards accessible from any article that printed the artwork.

And so the story goes, that many many receivers, transceivers were constructed, and we encouraged the same activity amongst some other local hams as well. It seemed that we had found a real good approach to making circuits good, and fast. That's when we found that apparently not all circuit designers were as elated as us over the fact that we could easily produce circuit boards for our use. Artwork for some of the popular designs started to become "unavailable". This was a frustrating point because it seemed that we were being punished for the possibility that someone may take the artwork and produce a commercial rig from it. We were just doing it for fun, and never had any intention of making money. This was apparently becoming a trend, and concerned me to the point that when Doug Hendricks slipped out the fact that VE7QK in B.C. designed a 80 meter ssb rig, that would potentially be featured in QRPp, I decided to do a little detective work. I looked him up with the local pbbs, and got his name and address, and then called information. I decided that before he decided to follow suit, I would give him a call, and see if his artwork was going to be available. Much to my enjoyment, Derry, was a circuit board builder himself! We talked for a while, probably too long, and he offered to send the artwork, and help us out via internet to get things up and running.

When we received the artwork, I was very busy with other things, so was N2JGU, but a day or so after I gave him the artwork, we each had 2 sets of boards, both for the Epiphyte, and the 5 watt amp. Inspiration was attained! We set out to gather parts, and this in and of itself took a considerable amount of time! It seemed that we would have this constructed very soon, but ran into a few parts snags , vacation, etc.

First off let me say that Derry really helped us out by keeping in close contact with us via internet. There were several snags in the parts procurement process. One being that I assumed that the ceramic resonator was just Derry's terminology for a crystal. If I would have read a little further in his notes, I would have realized that he was covering a considerable frequency range for an xtal! Derry set me straight! The 455 KHz filter was another problem. We decided to not listen again to Derry, and try to find the filter locally. We tried everything, including talking to the MuRata Rep about the part, and found that the filter must be something that was special ordered, because MuRata discouraged us from using the part. They have a substitute, but it's larger. So after all that we decided to buy the part from CIRKIT in England as Derry suggested. We orderered them, and a week later we had them. It should have been that

simple, but we had wasted a lot of time looking for it! Another part that gave us some trouble was the relay. Finally we decided to use a substitute part that was available from Digi Key. In replacement for the G6-A-2H we used the G5V-2-H. This seemed like a good substitute.

Construction of the board was very simple. I started putting the parts on, and before I knew it it was almost done. Alignment was very easy, much easier than the nnlg alignment, but not quite as simple as the spider. I found that I can whistle a pretty pure tone, and also found out why Derry warned about your family thinking you have lost it after whistling into the microphone on and on.

On the air, the rig performs very well. I get nothing but compliments on the audio quality, in fact one guy told me he figured I was running a Yaesu with a Heil microphone element. Can you imagine what he must have thought when I told him I was using a homebrew 5w qrp rig with a Radio Shack electret element? Signal reports vary from s2 with the .5w pep to s9. Once I completed the 5w amp, that changed from s5 to 20 over nine. No kidding, I knew qrp worked with cw, but ssb just as well!

And now for the commentary: I really think that it would be nice if designers that publish would print their artwork. I realize this is a personal decision, but here is an example of what happens when the artwork is available, and I personally don't consider it to be bad.

Again, thanks to Derry for all the elmering, and encouragement!

73 Brad WB8YGG

From owner-qrp-l@netcom.com Wed May 10 23:42:01 1995
Date: Wed, 10 May 1995 19:42:01 -0400
From: "John F. Woods" <jfw@jfwhome.funhouse.com>
Message-Id: <199505102342.TAA08678@jfwhome.funhouse.com>
Subject: Any NE-QRP activity at Rochester Fair this weekend?

Is anyone going to be at the Rochester NH hamfest this weekend? Can anyone tell me what traditional 2m simplex frequencies are? (I just got a brand-new HTX-202 to be able to rendezvous with someone when I get there...)

From owner-qrp-l@netcom.com Wed May 10 00:03:45 1995
Date: Tue, 9 May 1995 17:03:45 -0700 (PDT)
From: H Smith <hbs@crl.com>
Subject: Re: CCW / DSP
Message-Id: <Pine.SUN.3.91.950509164753.11593A-100000@crl6.crl.com>

On Tue, 9 May 1995, Duncan Cadd wrote:

> Greetings, from a cool and overcast Diepenbeek in N.E. Belgium!
>
>
> If you're into DSP, I can recommend a book entitled "Digital Signal Processing
> A Practical Approach" by Emmanuel C. Ifeachor and Barrie W. Jervis, Addison-
> Wesley publishers, ISBN 0-201-54413-X. There is a C-language PC disk to go
> with this book, also includes compiled programs, cost \$50, 3.5 inch format,
> from:
> ... etc ...

Ah, Duncan. You have just tapped into one of my favorite subjects,
Digital Signal Processing :-) :-)

I have the book and indeed it is a very good book. I don't have the
diskette because it is just too expensive and too hard to get. By the
time that I wired that money to somewhere in England, it would cost me
\$75 dollars.

But I recommend the book.

Another thing that I recommend is the Texas Instrument DSK (DSP Starter
Kit). The DSK costs \$99 and comes with an assembler and a debugger.
There is quite a bit of code that can be downloaded from the internet,
including the W9GR code ported to the DSK. There is a CW passband filter,
a noise filter and a SSB heterodyne filter. I was using the noise filter
on 40 meters during the thunderstorms. It works fine. The band pass
filter is fine but it is centered at 1KC. That can be lowered by putting
in different coefficients and re-assembling.

There is also some packet and Amtor DSK code out there for the digi-droids.

So you get a DSK and start loading code into it. And if you are daring,
you can even "roll your own".

If there is interest, I will prepare a file and ship it upon request.

Are there anymore "Digital Signal Processing" types on the list???

Smitty, NA5K

Henry Smith (hbs@crl.com)

From owner-qrp-1@netcom.com Wed May 10 18:09:52 1995

Date: Wed, 10 May 1995 11:09:52 -0700 (PDT)
From: Alan Kaul <kaul@netcom.com>
Subject: Re: CCW / DSP
Message-Id: <Pine.3.89.9505101140.A25024-0100000@netcom>

Smitty: I have the W9GR version written up in QST (I ordered when there were different chips for CW and SSB---by the time he filled the back order, I got the version of the chip that contained all of the functions in a single package). Obviously the W9GR is an 'early' version compared to current technology and cost -- but does anyone know if there is a new chip (I think it is an e-prom) with improved machine language that would plug right in to the older model units? Pls and tnx, 72/73 de alan

PS -- If that's possible, then what about someone coming up with a better machine code for the Radio Shack DSP? I have one of those units, too.

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-l@netcom.com Wed May 10 07:02:33 1995
From: fax@sparc4@olivetti.Com (Marco Fassiotto)
Message-Id: <9505100702.AA04891@sparc4.ICO.OLIVETTI.COM>
Subject: Cheap SSB filters from AES
Date: Wed, 10 May 1995 09:02:33 +0200 (MET DST)

>
> Just following up on a prior posting - Amateur Electronic Supply
> at 800 558 0411 is closing out 2.4 kHz wide 455 kHz filters part
> number YG455S1 for _\$6.95_ each. They seem to have a number of
> them; I ordered several. I suspect one will find it's way into
> an Epiphyte someday or another.
>
> Good luck and happy filtering!
>
> 73 Dave WB0GAZ dgf@netcom.com
>

Does anyone happen to have a fax or non-800 number for AES?
thanks, Marco

--
Marco Fassiotto, iliiy/aa1iu
Internet : fax@sparc4.ico.olivetti.com
AX25 : aa1iu@n0ary.#nocal.ca.usa.na

Tcp/ip : i1iiy@i1vdm-13.ampr.org or aa1iu@k9iu.ampr.org

From owner-qrp-1@netcom.com Wed May 10 16:49:11 1995
Date: Wed, 10 May 1995 09:49:11 -0700 (PDT)
From: John Dundas <ab6dg@netcom.com>
Subject: Re: crystals
Message-Id: <Pine.3.89.9505100947.A27403-01000000@netcom6>

Debco Electronics catalog, just received, lists 4.032 xtals (and a lot more) for 1.25 each. Ordering tel. number is 800-423-4499
72/3 de John

On Tue, 9 May 1995, Tim Stabler wrote:
(snip)

> several. Here's the problem: if I go to 30 meters, the crystals
> become 4.032 MHz or 4.096 Mz. The only source I have seen for these
> is Newark for the 4.096 crystals and they are about \$5 apiece. For
> 40 meters, the crystals go to 12.300 MHz and I have not found those,
> although they might be in Newark.
>
> Any ideas out there on crystal sources, especially for a project like
> this?? I really hate to invest that kind of money (\$5 apiece) since
snip>

From owner-qrp-1@netcom.com Wed May 10 20:51:10 1995
From: PDouglas12@aol.com
Date: Wed, 10 May 1995 16:51:10 -0400
Message-Id: <950510165109_114019834@aol.com>
Subject: Re: How to cure J-38 walking

Fine business, Stuart. I have done everything with that sucker through the years--green sticky stuff, black sticky stuff (coax waterproofer), and batteries. The only thing that ever worked was screwing into the furniture (not approved for the newly furnished shack). I will try switching around the c/g as suggested. Incidentally, that of course, is how the little mini key stays upright too--c/g is at the far end. I will try the J-38 reversal tonight. Thanks for the idea. Preston WJ2V

From owner-qrp-1@netcom.com Tue May 9 06:38:00 1995
Subject: Internet Address
From: larry.jones@archives.com (Larry Jones)
Message-Id: <29c.135.8@archives.com>

Date: Tue, 09 May 1995 00:38:00 -0600

Yo Gang...

Please don't take this as a flame, but I sure wish you guys would please add your e-mail address to the end of your postings. I get my listings thru a BBS and sometimes the header info is stripped from the text. There are sometimes when I would like to correspond directly to a person, but there isn't a address included for return mail. Thanks...

Larry n5osg

Larry Jones N5OSG
E-mail larry.jones@archives.com
-BBS Dallas Texas

Internet: larry.jones@archives.com (Larry Jones)

From owner-qrp-l@netcom.com Wed May 10 12:01:24 1995
Date: Wed, 10 May 1995 08:01:24 -0400 (EDT)
From: prvalko <prvalko@oakland.edu>
Subject: Re: IQ130
Message-Id: <Pine.3.89.9505100707.A11991-0100000@saturn.acs.oakland.edu>

On Tue, 9 May 1995, Alan Kaul wrote:

> I'm sorry that people jumped on you for suggesting a very simple way to
> utilize the band. First, what you proposed is no more of a contest than
> pursuing DXCC or WAS is a contest. It is even less than a QSO party. It
> is nothing more than suggested band activity.

I agree, but (correct me if I'm wrong) if I remember right, they do not give out endorsements for contacts made on 30M for WAS or DXCC.

The original intent was to keep it simple and by gentlemens agreement, leave the band for casual contacts. I don't get on 30 nearly as often as I should, yet those that do use it as their primary band say that the casual operating there is precisely what they enjoy about the band.

73! =paul= wb8zjl

From owner-qrp-l@netcom.com Wed May 10 02:32:13 1995
Message-Id: <199505100232.WAA00352@jfwhome.funhouse.com>
Subject: Re: Lamented demise of the IQ30
Date: Tue, 09 May 1995 22:32:13 -0400
From: "John F. Woods" <jfw@jfwhome.funhouse.com>

Actually, I think I'd argue that the thing that ensures that this isn't a "contest" is that you can have nice ragchews and still win. Not only isn't there a recommended UR 5NN EMA 1W 192.160.125.65 BK exchange, it isn't necessary. That, and the fact that even if all few-hundred of the people on the list managed to get on during the same weekend, it would hardly overload the band...

From owner-qrp-l@netcom.com Wed May 10 12:47:05 1995
Date: Wed, 10 May 1995 10:17:05 -0230
Message-Id: <199505101247.KAA25921@public.compusult.nf.ca>
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: Re: made by MFJ.

Repost to QRP-L List.

>To: oddjob@cix.compulink.co.uk
>From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
>Subject: Re: made by MFJ.

>

>Steve,

>

>I'm not going to get in a "defense" of North American products vs the world but your analogy of MFJ may be a little harsh for the MFJ 90xx single band QRP transceivers. You may want to go back and read George Dobbs review of the MFJ unit in Practical Wireless. The cabinet, PC board and components in the MFJ 9020, MFJ 9030 and MFJ 9040 that I have owned in the past are first class. The PC board is a nice double-sided, solder masked and labelled board - the kind you need for good wave soldering mass production - far from junk. I think the MFJ's are excellent QRP rigs for the folks who can't build a kit etc and want a nice compact rig to get on the air - there is nothing in it's class to compete with it (at least as far as pricing goes in US and Canada).

>

>Finally your comparing the the MFJ rigs to your FT-101 is not even apples and oranges - I doubt that I am going to haul an FT-101 and Honda power

generator around to operate portable - hi. Now about the weight training - actually I need to lose some weight - maybe I'll buy a bunch of old FT-101 and use them as barbells....

>

>Caio 73/72 Bob V01DRB/WA6ERB

>

>

>

>>> I would like to hear your comments on the QRP-CW transceivers made by MFJ.

>>> I may be looking for a small portable.

>>>

>>> 72,

>>>

>>> Jay

>>>

>>> WB6AAM@K6VE.#SOCA.CA

>>> jcoote@aol.com

>>

>>Jay

>>

>>

>>Most of the Stores in the UK I have spoken to, including the ones that sell their h/w quote the analogy

>>

>>MFJ=Made From JunkBUT....good value for money i.e you get what you pay for.

>>

>>This is what I suggest to my friends who are going to buy a QRP rig

>>

>>a Monoband MFJ SSB/CW rig will cost you upwards of 150-200

>>

>>I bought (Aug95)a six band FT101Z Mk2 CW/SSB tranciever for 250ukp
>>added a simple switch to turn the PA bottles off and you have adjustable
>>power from say .5 watt to about 20watt (Using the single Valve driver)

>>

>>I am going to buy ANOTHER FT101 (older MK2 not a Z) for 100ukp, with a
>>narrow 250Hz filter, and spare set of PA Valves, for 100UKP !

>>

>>These radios are MORE flexible, more hackable, more selective and more
>>robust, flexible (QRP~qro)

>>

>>The only thing they are not, is portable, although you can do as I am
>>intending, with is this...

>>

>>Take an FT101

>>

>>1. Remove valve PA and Driver, and convert the space saved into a battery

>>compartment! 12 Motor cycle or Radio-Control type compact gel-lead acid
>>or NICAD.
>>
>>2. install a small 1-10watt PA
>>
>>3. Do some weight training!
>>
>>
>>oddjob@cix.compulink.co.uk
>>
>>
>

From owner-qrp-1@netcom.com Wed May 10 20:44:48 1995
From: JDuffy@aol.com
Date: Wed, 10 May 1995 16:44:48 -0400
Message-Id: <950510164445_114012301@aol.com>
Subject: Re: made by MFJ.

MFJ rigs are O.K., not the best and far from the worst. I could not build their rigs from scratch as inexpensively as they can build and sell them.

The 20 meter SSB/CW rig is very nice and well worth the money. I am looking at adding 15 and a 40 meter rigs to my "collection."

There is a distinct advantage to the MFJ rigs over buying old tube (valve) rigs and turning down the power. An FT-101 is NOT portable and can eat the heck out of a battery in no time. You can run the MFJ rigs off of batteries forever.

I would like to see MFJ take their 20 meter SSB/CW rig and modify it for 80, 40, 15 and 6 meters. Inexpensive rigs like those would sell like hotcakes.

Regards,

Duffy - WB8NUT

From owner-qrp-1@netcom.com Wed May 10 02:18:33 1995
Date: Wed, 10 May 95 00:36 BST-1
From: oddjob@cix.compulink.co.uk (Stephen Walters)
Subject: Narrow CW filter for FT101z Mk2?
Message-Id: <memo.189812@cix.compulink.co.uk>

Narrow CW filter for FT101z Mk2?

Says it all,

I need one of these.....

Anybody got sugestions for originals or replacement?

oddjob@cix.compulink.co.uk

From owner-qrp-1@netcom.com Wed May 10 11:49:53 1995
Message-Id: <199505101149.HAA06422@jfwhome.funhouse.com>
Subject: Re: NN1G update de NN1G
Date: Wed, 10 May 1995 07:49:53 -0400
From: "John F. Woods" <jfw@jfwhome.funhouse.com>

> So, it looks like over 1,000 NN1G rigs floating around in the world.
> Can you imagine all those rigs stacked upon one another? Awesome.

Wow. And all stuck together with the mother of all RF combiners they still might not quite hit the legal power limit...

From owner-qrp-1@netcom.com Wed May 10 17:48:45 1995
Date: Wed, 10 May 1995 12:48:45 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <199505101748.MAA28444@chuck.dallas.sgi.com>
Subject: Re: NNIG Mark xx Rigs

Bob,

Thanks for the update and information on the NN1G. It's too complicated for me. :-)

What's this "overdrive" stuff? I once had someone tell me the same thing about my code speed in 1961. He said I had two speeds, full-on and off. :-)

It must have been the long drive translating the dividing centerline into dahs. :-) I'm still uncomfortable sitting for any length of time.

Bob is absolutely correct about the 20M version of the older NN1G rig, i.e. it does have a very good receiver in it. Maybe

we outta put Bob in charge of coming up with a single board version with RIT. :-) Although I've seen with the two board set how putting them back to back in a vertical position really makes for a compact lil rig. The .ps file that I had for a while that a lot of people picked up was for the NN1G Mark II in the Jan 94 QQ. I'll put it along with the parts list on the new site this week. Announcement to come along on friday for the changeover. Stay tuned.

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Wed May 10 04:46:55 1995
From: mtrail@violet.berkeley.edu
Date: Tue, 9 May 1995 21:46:55 -0700 (PDT)
Subject: Norcal keyer board questions
Message-Id: <Pine.3.89.9505092109.C29762-0100000@violet.berkeley.edu>

Hi, all

I've got a couple quick questions for those of you who have the keyer kit (Curtis chip and FAR board) from Norcal.

1) R6 is listed as 2.2k on the circuit diagram, but is screened as a 1K on the board. Which is right?

2) There are two "J2"'s on the board--none on the diagram. What do they do--particularly the one next to Q1?

3) I assume S3 is a tune switch?

My motto: ask a silly question, get a silly answer!

Thanks!

Matt KN6CR

PS: Boy, Chuck's enthusiasm just might make me order a SWL-30 instead of waiting for a new Sierra run. I hold you FULLY responsible, Chuck!

From owner-qrp-l@netcom.com Wed May 10 21:45:52 1995
Date: Wed, 10 May 1995 16:45:52 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)

Message-Id: <199505102145.QAA29691@chuck.dallas.sgi.com>
Subject: Re: Norcal keyer board questions

Matt, KN6CR, asks the questions and I'll take the first stab at them.

1. R6 is 1K, the board is correct. See page 9 of the Curtis notes.
R6 is from pin 18 of the 8044ABM to Q1 (base) 2N4401.
2. & 3. are not applicable to the board and Curtis notes. I'll check
when I get home, but I'm sure someone else will beat me to it.

No such thing as a silly question.

You're on your own Matt on the SWL-30. I'm not responsible, never
have been and never will be. :-)

dit dit

--

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Wed May 10 14:30:19 1995
Message-Id: <199505101430.AA28631@nyjets.bigcat.bellcore.com>
Subject: Re: Novice, Tech+ Please
Date: Wed, 10 May 95 10:30:19 -0400
From: Luis Anaya <papo@bigcat.bellcore.com>

Hello Chuck!

Why? I'm General, but what's going on in October?

--

Luis Roberto Anaya-Rivera papo@donuts0.bellcore.com
The Installator papo@bigcat.bellcore.com
Bellcore, NJ Ham: N2ZXE/AG

From owner-qrp-l@netcom.com Wed May 10 06:52:02 1995
Date: Tue, 9 May 1995 23:52:02 -0700
Message-Id: <199505100652.XAA05665@scn.org>
From: nwqrp@scn.org (SCN User)
Subject: oops, I forgot freq.

OOPS! .. net control Bill, N7MFB
frequency 10.123 MHz
time 7pm PDT, Monday
(0200 UTC Tuesday)

SATURDAY NET:

net control Bill, N7MFB

frequency 3.561 MHz

time 7:30 am PDT (1430 UTC)

Hope to CUL!

--Brian, kv9x

--

Mail routed by Brian High, KV9X from the Northwest QRP Club BBS.
Please support local amateur radio clubs and public access
internet services like the Seattle Community Network. Thanks!!

From owner-qrp-1@netcom.com Tue May 9 06:44:00 1995

Subject: QRP Club Listing

From: larry.jones@archives.com (Larry Jones)

Message-Id: <29c.136.8@archives.com>

Date: Tue, 09 May 1995 00:44:00 -0600

Hi Guys...

I am sorry to have to use the bandwidth, but a few days, weeks, months ago there was a posting that had a specific form to describe a QRP Club. Dummy Me has misplaced my copy somewhere. Would the person who posted it please send me a copy to my E-mail address below. I want to include the North Texas QRP Club (a.k.a NORTEX) in the listings.

73/72 Larry n5osg

Larry Jones N50SG

E-mail larry.jones@archives.com

-BBS Dallas Texas

Internet: larry.jones@archives.com (Larry Jones)

From owner-qrp-l@netcom.com Wed May 10 15:22:44 1995
Date: Wed, 10 May 1995 11:22:44 -0400 (EDT)
From: Michael Marmor <mmarmor@pluto.njcc.com>
Subject: QSK TR Circuit
Message-Id: <Pine.BSI.3.91.950510111204.14764A-100000@pluto.njcc.com>

At Dayton I found all the parts to build the W1FB QSK T/R switch found on page 141 of the _QRP Notebook_. As I look at the circuit more closely now, I see that there is both a "+12V" and a "+12V Transmit 60 mA" on the schematic. Does this mean that I need 12 V @ 60 mA from my transmitter each time I key it? Or is this voltage applied to the circuit all the time? I can't visualize how the diodes are being biased in this circuit, perhaps one of you can explain it...

73 Mike, AA2UJ
mmarmor@pluto.njcc.com

From owner-qrp-l@netcom.com Wed May 10 01:53:27 1995
Date: Tue, 9 May 1995 19:53:27 -0600 (MDT)
From: Steve Henry <steveh@fortnet.org>
Subject: Surface mount techniques?
Message-Id: <Pine.3.89.9505091911.A8500-0100000@linden.fortnet.org>

Does anyone on this list have any experience at doing homebrew building with surface mount components? I'm wondering how well the "ugly construction" technique will work with these parts or if there are other ways with commonly available equipment to assemble circuits out of these parts-- thanks in advance for any ideas.

'72

Steve Henry
AA0VB
Fort Collins, Colorado

From owner-qrp-l@netcom.com Wed May 10 12:03:30 1995
Message-Id: <199505101203.IAA06482@jfwhome.funhouse.com>
Subject: Re: Surface mount techniques?
Date: Wed, 10 May 1995 08:03:30 -0400

From: "John F. Woods" <jfw@jfwhome.funhouse.com>

> Does anyone on this list have any experience at doing homebrew building
> with surface mount components? I'm wondering how well the "ugly
> construction" technique will work with these parts or if there are other
> ways with commonly available equipment to assemble circuits out of these
> parts-- thanks in advance for any ideas.

Classic ground-plane or "ugly" construction would be really tough; surface mount components don't have leads that you can tie directly to each other. You could pretty easily make circuit boards with the Dremel method (cut away copper to leave islands) though the cuts will have to be very fine.

I recently bought some "Surfboards" from DigiKey. These are prototyping PC boards for surface mount components, maybe 1.5 square inches and in various patterns. My plan is to use these and get an idea of what works well, then to draw up my own generic patterns and etch them.

From owner-qrp-l@netcom.com Wed May 10 19:51:11 1995
Date: Wed, 10 May 95 14:51:11 EST
From: harry_chase@smtpgw.windata.com (harry chase)
Message-Id: <9504108001.AA800142671@smtpgw.windata.com>
Subject: Surface mount techniques?

YES!!! you can do home-brew with surface mount parts! You DO have to make some kind of board; the "dead-bug and tombstones" method with SMT parts usually results in a fragile assembly; but for simple circuits, you can easily scrape out the circuit on a copperclad board with an X-acto knife. For larger circuits, dry transfers and a radio-shack type etching kit are useful. You don't need hands as steady as a machine if you use the "1206" (.120 X .06 inch) parts. These are the most easily available anyway. The .08 X .05 inch parts are a little harder but it can still be done.

I do almost *all* of my homebrewing with SMT parts now, except for higher power stuff. (and even that is going toward SMT...) My interest is in the UHF / Microwave bands, and there, the use of SMT techniques has made it *almost* trivial to get many circuits to work up as high as 3 GHz --- no lead inductance to worry about, and the capacitors are still capacitors at high frequencies... A 50 ohm chip resistor will typically behave like 50 ohms - and not too much reactance -- on up to 5 - 6 GHz.

Now for the downside :-(

Yes, you will need a steadier hand than you may need now with the fat leaded components; and you may have to go easy with the beer on the evening you build your project...

You will usually need to make a board. Although this is extra work, it will result in a smaller and easier-to-package unit.

You will find fewer sources of parts than you are now used to having. More suppliers are getting them every day, though; Digi-Key and Active Electronics are two that I know of immediately. For some items, such as RF transistors and varactor diodes, you may have to buy through commercial distributors, who may have minimum orders and/or are not convenient (don't take credit cards, etc...) For what it's worth, some of this kind of stuff is *starting* to show up at the larger hamfests now.

I will be on vacation - and away from the internet - next week; but after that I will answer (or, try to) any questions you have on using SMT parts.

NOTE - I will be *temporarily* unsubscribing from this list for the week, otherwise I would have 5,000 messages waiting when I got back!!!! ;-)) if you want to send any mail during that time, send it directly to my address and I will get it when I return.

Harry
WA1VVH

From owner-qrp-l@netcom.com Thu May 11 00:47:00 1995
Date: Wed, 10 May 1995 22:17:00 -0230 (NDT)
From: Bob Gobrick V01DRB/WA6ERB <bgobrick@terra.nlnet.nf.ca>
Subject: Re: Surface mount techniques?
Message-Id: <Pine.OSF.3.91.950510220648.10232B-100000@terra.nlnet.nf.ca>

QRP-L gang,

Surface mount talk is getting BIG. The topic came up at one of the QRP Dayton forums - Dave Benson NN1G asked for a show of hands - a number of big fat and clumsy hands were raised - there is hope for this surface mount world of soldering. Also the latest issue of the NEW ENGLAND QRP Club 72 newsletter gave some feedback from a survey of members - there is a "growing" interest in constructing a surface mount project. And finally the only "rig" article that I have recently seen on this subject was by Paul W1CFI of the QRP Club of NEW ENGLAND in the Jan 94 issue of the QRP ARCI QQ. - an 80 meter transceiver using surface mount components. I tried to get Dave NN1G to urge Paul on for a kit project but Dave mentioned about "work" getting in the way of Paul's

enjoyment of the hobby...

Anyway years ago Blue Rose Electronics had an ad in the G-QRP SPRAT for a sm audio amp and also a bfo. Don't know if they have those available anymore. What would be nice is a small club project for a keyer or something small using small sm parts - sort of something to get our feet wet and fingers burnt and maybe I'll find a use for those toothpicks I always pick up at the local Chinese restaurant.

Any ideas for a surface mount qrp project out there?

73/72 Bob V01DRB/WA6ERB

Bob Gobrick V01DRB/WA6ERB/VE2DRB Newfoundland, Canada

QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP

Internet: bgobrick@terra.nlnet.nf.ca
rgobrick@public.compusult.nf.ca

Compuserve: 70466.1405@compuserve.com

From owner-qrp-l@netcom.com Wed May 10 02:49:43 1995
Message-Id: <m0s8zxb-000049C@juts.ccc.amdahl.com>
Date: Tuesday, 9 May 1995 17:41 PT
From: bruce.florip@amail.amdahl.com
Subject: SWAP MEET SF Bay Area CA.

There is a ham-swap on May 13th, 1995 in Los Altos, California at the Foothill College Campus.

The action begins around sunrise (there is a fairly large flashlight squad).

From San Jose, take Hwy 280 north to El Monte Road. Go West about a mile to the Foothill College campus and follow the cars and trucks with antennas on them.

For any visiting hams to the SF Bay Area, this is a good one.

If anyone is interested we could set up a meeting time at the food booth for the traveling qrp squad. I'll wear the qrp internet name tag just in case, and

I'll stop by the food booth at 10:00 A.M.
72, Bruce AA7AR/6
baf00@amail.amdahl.com

From owner-qrp-l@netcom.com Wed May 10 13:21:51 1995
From: "Greg Taylor" <GTAYLOR@TAEX003N.tamu.edu>
Date: Wed, 10 May 1995 08:21:51 CDT
Subject: Re: Tokyo HyPower
Message-Id: <6B809265C2@taex003n.tamu.edu>

Date sent: Tue, 9 May 95 11:24:37 -0500
To: qrp-l@netcom.com
From: mpw@scintl.com (Mike White)
Subject: Tokyo HyPower

Has anyone on this list had any experience with the Tokyo Hy-Power
HT750? It's a 40/15/6 Meter radio (SSB/CW.)

--

Mike White Chen Systems Corporation
N9UXC voice:715/833-7860
 fax :715/833-7096

If memory serves me rightly there was an article in QST not too long ago
about someone that used it for a backpacking trip and gave it a favorable
review.

72, KD4HZ

From owner-qrp-l@netcom.com Wed May 10 01:48:59 1995
Date: Tue, 09 May 1995 21:48:59 EDT
From: MWRW76A@prodigy.com (MR DOUGLAS N KAHERL)
Message-Id: <013.06386227.MWRW76A@prodigy.com>
Subject: unsubscribe qrp-l mwrw76a@prodigy.com

unsubscribe qrp-l mwrw76a@prodigy.com

From owner-qrp-l@netcom.com Wed May 10 06:55:03 1995
Date: Wed, 10 May 1995 00:55:03 -0600 (MDT)
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>

Subject: RE: VERY LONG, Z-Match Transmatch Circuit
Message-Id: <Pine.SUN.3.91.950510004233.17805B-100000@ume>

On Tue, 9 May 1995 JEVERHART@cayman.vf.mmc.com wrote:

> Re: Paul's comments on "there ain't no free lunch:
>
> It would be most revealing to run some good tests on a z-match tuner to
> characterize it. A good starting point might be the suite (love that word) of
> tests that were written up in the last couple issues of QST. I, for one, am
> curious about the range of impedances the z-match circuit can handle, and
> most importantly for qrp use, the loss. Anybody wanna tackle this and report
> back to the group?

I would be interested as well. I can provide some "ancedotal" evidence.
I have a commercial (SEM) British Z match, a modifed homebrew Z match
(designed by "Charlie Tuner"), two home brew link coupled tuners, an old
dentron T tuner with balun and a MFJ differential T tuner with a balun.
I have also used my icom AT-100 autotuner with an outboard 4:1 and 9:1
tuner. When feeding a 85 foot long inverted vee, apex at 65 feet they
all work 80 thru 10. The is no more than an s unit difference with the
exception of the at-100 setup. There might be bigger differences with
other antennas on certain bands? I find the z match is my favourite for
portable use with balanced lines (most of my antennas fed this way) but
it is sometimes finicky to tune. I usually use the mfj at home because of
the single setting and the counter on the roller inductor makes changing
bands easy and quick.> (It can also handle QRO for those emergencies like
working 3y0pi ;-)

From owner-qrp-l@netcom.com Wed May 10 16:08:02 1995
From: PDouglas12@aol.com
Date: Wed, 10 May 1995 12:08:02 -0400
Message-Id: <950510120757_113720400@aol.com>
Subject: Whiterook Mini-Keys

I noticed a classified in one of the bi-weekly ham advertisers for a 2x2x1.6
in. hand key Model MK-22 for \$8.95 ppd. from Whiterook Products Company, 309
S. Brookshire Ave., Ventura CA 93003 and ordered it last Monday. It arrived
nine days later. It is very small, and it is very simple. It is a
commercial variation of a flat spring sitting over a switch--definitely not
high tech. It is cute and it works, and for nine bucks, I have found my
matching key for the new Small Wonders 80 I am soldering at. I note that
despite its size, the key does not tip because the pivot is at the far end of
the spring, which I liked. I always hated my J-38 because my brass pounding
made it tip all the time. (When I pound brass, I really POUND it!) I did

find the "contact" spacing was too wide for my taste, and I may try to modify the insides, if I can't get used to it. The base is a plastic box, slightly larger than a pill box. The box opens to reveal a small circuit board (the switch) with a couple of traces, and wires to the back where a standard 1/8" jack is mounted. The key knob is a large rubber stick-on cabinet foot, and the box stands on four smaller stick-on feet. You want ball bearings? Not for nine bucks, buster, but for the price, it is much better than I can do.

If I'd paid twenty bucks for this baby, I would have been disappointed. But I like it for portable use. I just now sent in my check for \$9.95 for their Model MK-44 Pocket Mini Paddle--you heard me \$9.95 ppd. for a dual paddle.

I don't expect it to be any more elegant than their hand key, but I bet it is small, simple and works. I wonder if my Curtis Keyer board could be squeezed into the base--now that would be something. I'll post the results here in about nine days. 72 all, Preston WJ2V

From owner-qrp-l@netcom.com Wed May 10 17:56:44 1995

Date: Wed, 10 May 1995 15:26:44 -0230 (NDT)

From: Bob Gobrick V01DRB/WA6ERB <bgobrick@terra.nlnet.nf.ca>

Subject: Re: Whiterook Mini-Keys

Message-Id: <Pine.OSF.3.91.950510152605.27968C-100000@terra.nlnet.nf.ca>

Preston ,

Keep us posted on the mini-paddle - sounds interesting...

73/72 Bob V01DRB/WA6ERB

On Wed, 10 May 1995

PDouglas12@aol.com wrote:

> I noticed a classified in one of the bi-weekly ham advertisers for a 2x2x1.6
> in. hand key Model MK-22 for \$8.95 ppd. from Whiterook Products Company, 309
> S. Brookshire Ave., Ventura CA 93003 and ordered it last Monday. It arrived
> nine days later. It is very small, and it is very simple. It is a
> commercial variation of a flat spring sitting over a switch--definitely not
> high tech. It is cute and it works, and for nine bucks, I have found my
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> find the "contact" spacing was too wide for my taste, and I may try to modify
> the insides, if I can't get used to it. The base is a plastic box, slightly
> larger than a pill box. The box opens to reveal a small circuit board (the
> switch) with a couple of traces, and wires to the back where a standard 1/8"
> jack is mounted. The key knob is a large rubber stick-on cabinet foot, and
> the box stands on four smaller stick-on feet. You want ball bearings? Not

> for nine bucks, buster, but for the price, it is much better than I can do.
> If I'd paid twenty bucks for this baby, I would have been disappointed. But
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> is small, simple and works. I wonder if my Curtis Keyer board could be squeeze
> d into the base--now that would be something. I'll post the results here in
> about nine days. 72 all, Preston WJ2V
>

Bob Gobrick V01DRB/WA6ERB/VE2DRB Newfoundland, Canada

QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP

Internet: bgobrick@terra.nl.net.nf.ca
rgobrick@public.compuserve.nf.ca

Compuserve: 70466.1405@compuserve.com

From owner-qrp-l@netcom.com Wed May 10 15:46:50 1995
Date: Wed, 10 May 1995 08:46:50 -0700
From: nlist@netcom.com (Michael L. Ardai)
Message-Id: <199505101546.IAA20888@netcom4.netcom.com>
Subject: Why people get unsubscribed

Recently, there have been a few posts about people getting unsubscribed from qrp-l. There is a simple explanation. If mail to a subscriber bounces with a 'no such user', 'no such host', 'mail loops back to itself' or a similar fatal error, I remove the subscriber from the list. If the bounce is temporary (timeouts, MTA congestion, disk full, unknown error), I ignore the bounce (actually, procmail bit-buckets most of those without me seeing them). Unfortunately, too many people just close their accounts or switch service providers without unsubscribing first, so I have to assume that an unknown user error is one of those.

I appologize if I unsubscribe someone because of a temporary downtime that was reported as a fatal error. If you get unsubscribed, please resubscribe as soon as the problem is fixed.

73,
/mike
nlist@netcom.com

Maintainer, qrp-l and the BARC lists

PS. To subscribe or unsubscribe, send a message to listserv@netcom.com with the body

subscribe qrp-l

or

unsubscribe qrp-l

DO NOT send these requests to qrp-l@netcom.com. If you have any problems or questions about the list, send them to me at nlist@netcom.com. Thanks.

From owner-qrp-l@netcom.com Wed May 10 01:06:00 1995
Message-Id: <9505100107.AA15789@ig1.att.att.com>
From: mvjfm@mvubr.att.com (James M Fitton 508 960 2577)
Date: 9 May 95 21:06:00 -0400
Subject: WJ2V Badge List

I quickly went down the list of holders of the 97 badges made for qrp-l goes to Dayton, and noted at least 22 recipients that either hold/or volunteered for office or BOD, in well known QRP clubs, or are major designers or contributors to group activities, or are authors of QRP columns, newsletters and/or books on QRP.

Now over 22% leadership activity in any group is about three (3) times the norm.

Congratulations !

You are part of an unusually creative, ambitious, generous and successful group.

72 W1FMR

From owner-qrp-l@netcom.com Wed May 10 18:49:48 1995
From: "Leonard J Popyack, Jr." <popyack1@ers.rl.af.mil>
Date: Wed, 10 May 95 14:49:48 EDT
Message-Id: <16233.popyack1@ers.rl.af.mil_POPMail/PC_3.2.2>

Subject: Re: Your comments on MFJ QRP rigs?

On Tue, 9 May 1995 16:42:45 -0230 (NDT, Bob Gobrick V01DRB/WA6ERB wrote:

>Jay,

>

>The MFJ-90xx series of QRP rigs are the best single band commercial

>(non-kit) QRP rigs on the market for the price (now let's see if someone

>can challenge that - hi)

>

How about the Ten-Tec ARG0 (It is the same as the SCOUT 555, but less the Power Amp stage)?? It is single band too (if you dont order any extra band modules).

I have the Ten Tec Scout and it is a very nice rig. I am putting together a briefcase station, so I can take it with me when I travel. 73 Len
WF2V